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About CM Stacker

CM Stacker is a new computer chassis from Cooler Master with extremely powerful functions. The innovative design supports Extend ATX, BTX and dual power supply, making for easy upgrading. Besides its unique cross-flow fan, the CM Stacker supports up to eight regular fans, giving it unmatched cooling performance. Built from 1.0 mm thick steel plate, the CM Stacker is immensely strong, with a high-quality anti-vibration stand providing extra protection for the system. Designed for maximum extensibility and allowing the user the utmost flexibility in the utilization of space, the CM Stacker makes upgrading incredibly easy, and can be configured to meet your own personal needs with minimum hassle.

Features

Expansibility

- Supports up to 11 5.25" drives
- Moveable front control panel with 6 USB 2.0 connections
- Maximum upgradeability; supports E-ATX and the upcoming BTX
- Dual power positioning design

Cooling

- CM Stacker supports up to 8 fans
- Front - Full mesh screen provides superior air flow; support up to three 12 cm fans
- Top - Ultra silent 8cm Fan * 1 (exhaust)
- Side - Mesh screen on side panels provides the maximum air ventilation
- Rear - Ultra Silent 12cm Fan * 1 + 8 cm Fan * 2 (intake)
- Motherboard - 300mm cross flow fan; provides superior air flow for key PC components (CPU, VGA etc.)

Assembly

- Tool-free installation; Supports the use of screws for permanent installation
- Maximum flexibility in space utilization for self-assembly

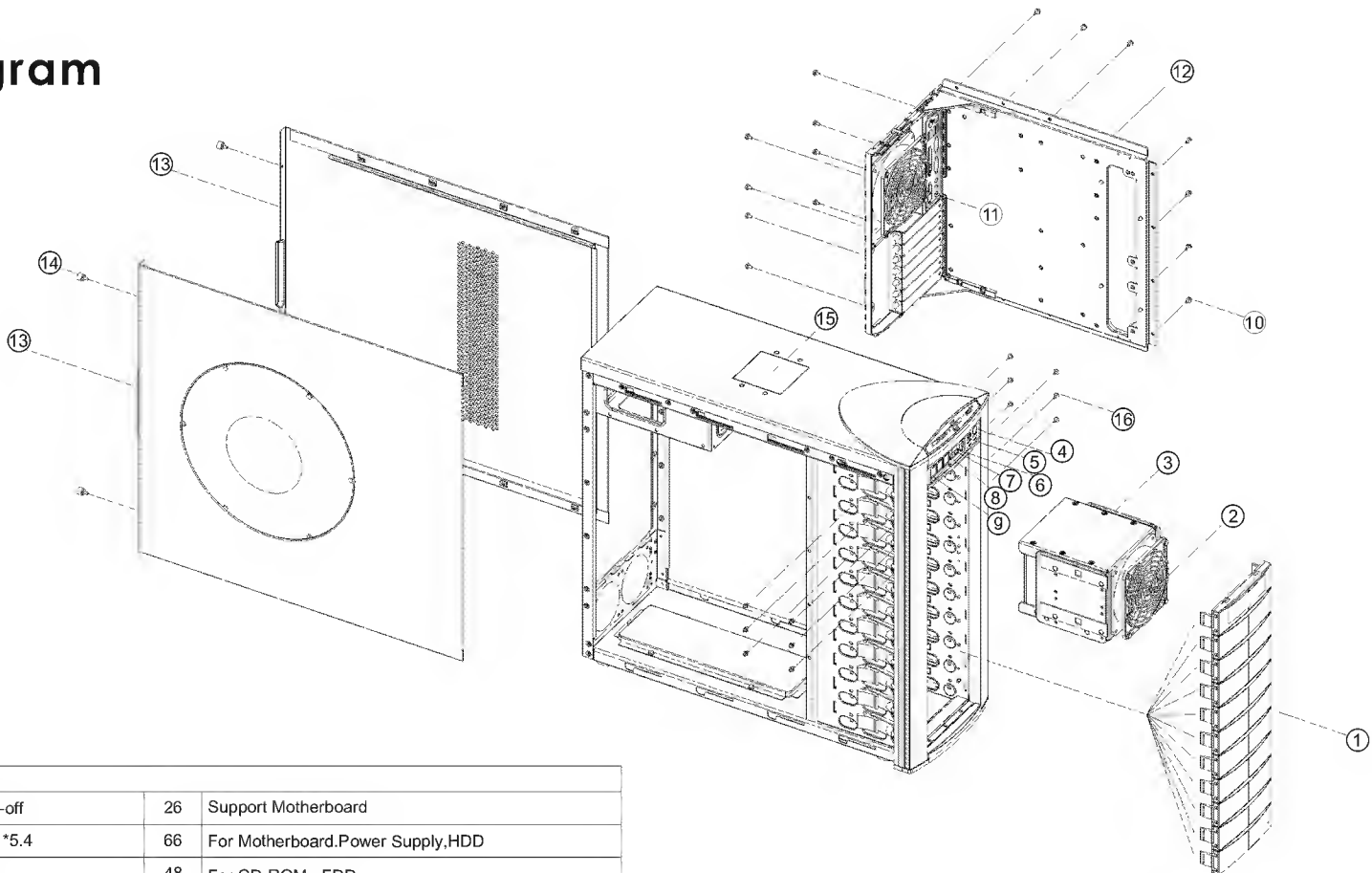
Structural

- Aluminum alloy motherboard tray frame
- Strengthened with 1.00mm steel plates
- Superior mechanical design for greater stability

Specification

- Dimensions : 584 mm x 227 mm x 536 mm (D x W x H)
- Material : Aluminum Bezel , SECC Chassis
- Main Board : Extend ATX(12" x 13") ; BTX
- 5.25" Drive Bay : 7 (Exposed)
- 3.5" Drive Bay : 1 (Exposed)
3 (Hidden)
- Aerogate II : 1 (Optional)
- Power Supply : Standard ATX PS2
- Front I/O : USB 2.0 x 6
IEEE 1394 (FireWire) x 1
MIC x 1
SPK x 1
- Cooling : One 120 x 120 x 25 mm Front Fan (intake)
One 120 x 120 x 25 mm Rear Fan (exhaust)
One 80 x 80 x 25 mm Top Fan (intake)

Diagram



Parcel list			
	Stand-off	26	Support Motherboard
	#6-32 *5.4	66	For Motherboard.Power Supply,HDD
	M3*6	48	For CD-ROM , FDD
	M3*4	44	For Side fixing Plate
	ψ c5*10	16	For Fan
	BTX Plate	10	For changing BTX Motherboard
	Right Side Fixing Plate	10	For CD-Rom Right
	Left Side Fixing Plate	1	For CD-Rom Left
	PSU Plate	2	For PSU
	20Power Cable	1	For PSU
	Wheel	4	For the base of the case
	M5*8	16	For wheels

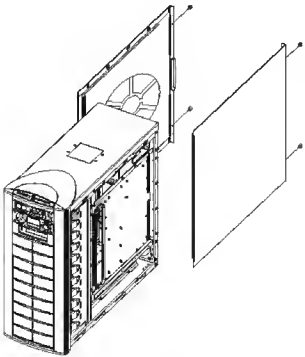
No.	Parts Name	QTY	No.	Parts Name	QTY
1	5.25"Cover	11	9	USB	6
2	12025 FAN	1	10	#6-32 SCREW	15
3	3 for 4 HDD Module	1	11	12025 FAN	1
4	Power Knob	1	12	MB Tray	1
5	Reset Knob	1	13	Side Cover	2
6	1394	1	14	Thunb Screw	4
7	SPK	1	15	8025 FAN	1
8	MIC	1	16	M3x6 SCREW	12

Following assembly conversion of CM Stacker, BTX motherboard can be completely supported.

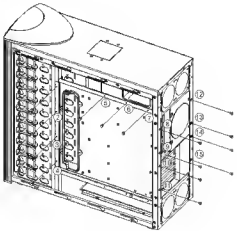
After converting to BTX motherboard module, all hardware installation and positioning will be the same as for ATX motherboard module. Please refer to the installation instructions for ATX motherboard module.



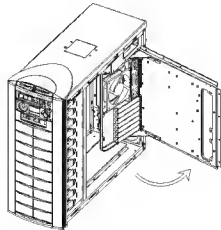
1. Remove the screws, then push the side panel backwards to remove the side panel.



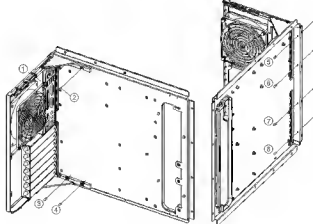
2. As shown in the figure, remove screws 1 through 15.



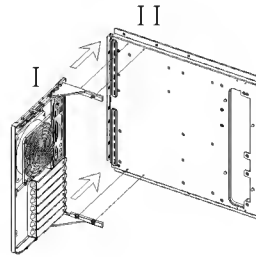
3. Rotate to remove the motherboard module.



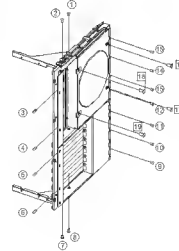
4. Remove screws 1 through 8.



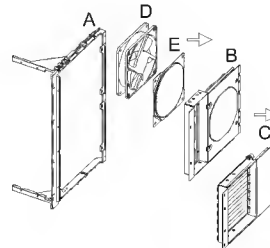
5. Remove screws, then separate components I and II.



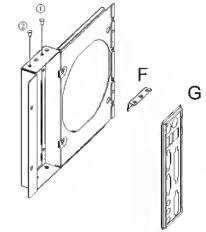
6. 6.1 Remove fan by removing fan screws 16 through 19.
6.2 Remove screws 1 through 15.



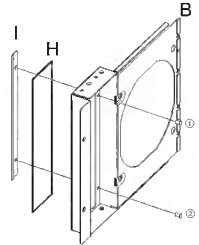
7. Remove components A, B, C, D, and E.



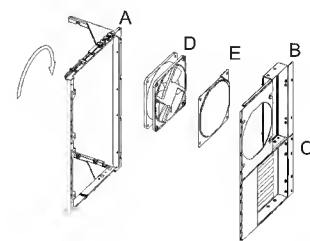
8. Remove screws 1 and 2, then remove parts F and G.



9. Locate the BTX support bracket from the accessory pack, as shown in Figure I. Take the spring-loaded I/O piece (shown in Figure H) and BTX support bracket, and use the screws removed during Step 5 to screw these into the components.



10. As shown in the figure, install the fan assemblies (B, D, and E) then insert and tighten screws 16 through 19.

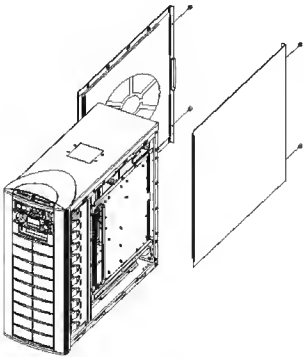


Following assembly conversion of CM Stacker, BTX motherboard can be completely supported.

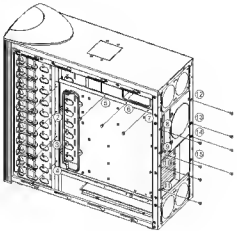
After converting to BTX motherboard module, all hardware installation and positioning will be the same as for ATX motherboard module. Please refer to the installation instructions for ATX motherboard module.



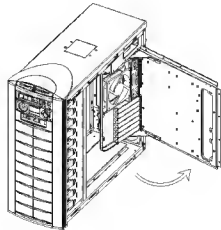
1. Remove the screws, then push the side panel backwards to remove the side panel.



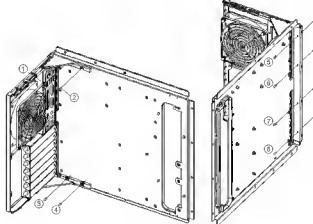
2. As shown in the figure, remove screws 1 through 15.



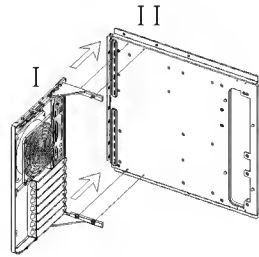
3. Rotate to remove the motherboard module.



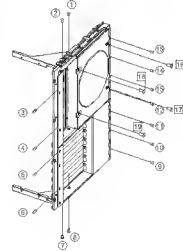
4. Remove screws 1 through 8.



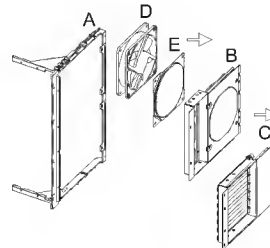
5. Remove screws, then separate components I and II.



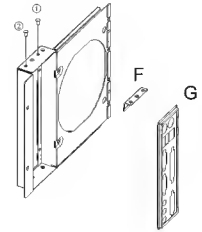
6. 6.1 Remove fan by removing fan screws 16 through 19.
6.2 Remove screws 1 through 15.



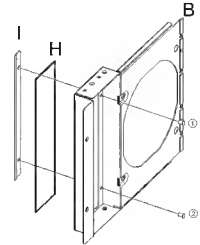
7. Remove components A, B, C, D, and E



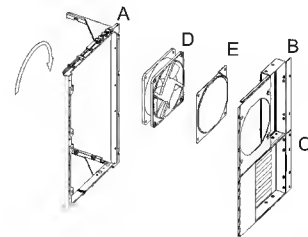
8. Remove screws 1 and 2, then remove parts F and G.



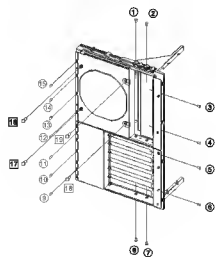
9. Locate the BTX support bracket from the accessory pack, as shown in Figure I. Take the spring-loaded I/O piece (shown in Figure H) and BTX support bracket, and use the screws removed during Step 5 to screw these into the components.



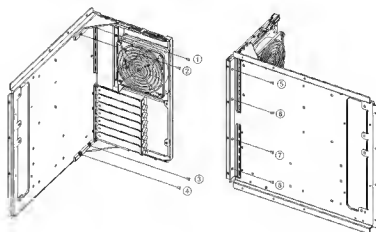
10. As shown in the figure, install the fan assemblies (B, D, and E) then insert and tighten screws 16 through 19.



11. As shown in the figure, first assemble A, B, and C component assemblies, then insert and tighten screws 1 through 15.

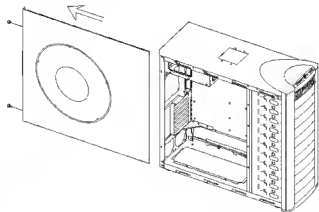


12. As shown in the figure, insert and tighten screws 1 through 8. Secure BTX motherboard module back onto the chassis.

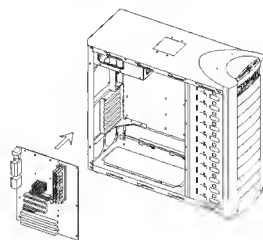


Install the motherboard

1. Remove the screws using your hand, then push the side panel toward the back to remove the side panel.

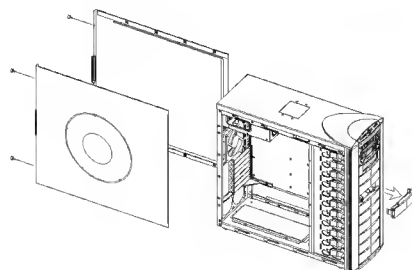


2. Secure the Stand-off from the bag of screws onto the motherboard.
3. Place the motherboard, insert and tighten the screws enclosed in the bag of screws.

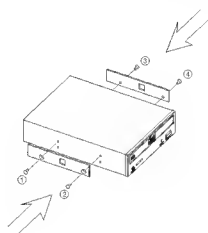


Install / Remove Optical Disk Drive, Hard Disk, and Floppy Disk Drive

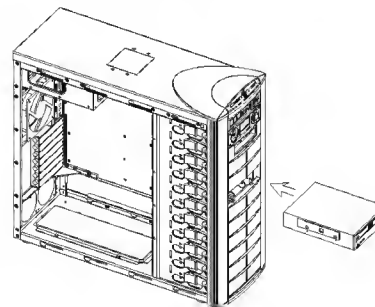
1. Remove the side panel.
2. Remove the cover from the selected position.



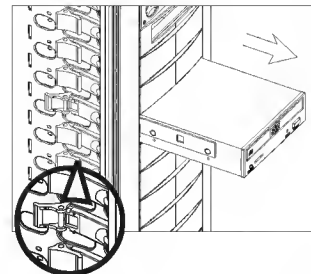
3. Locate the bracket from the accessory box, insert and tighten screws on both the right and left sides and in the direction shown in the figure.



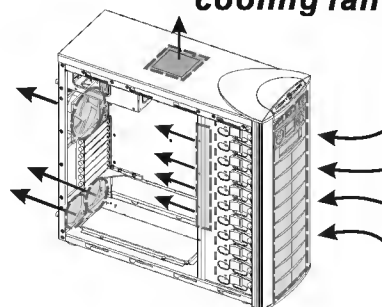
4. Push the device secured by the bracket onto the slide track. Keep pushing until the device clicks into place.



5. To remove the device, pull the manual trigger button backward (as shown in the figure) to release the locking mechanism for final removal.

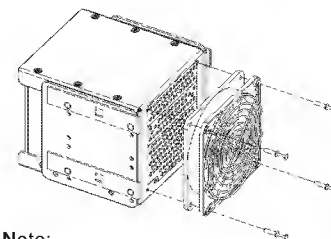


Install / replace cooling fan



Front side 120 mm x 120 mm fan

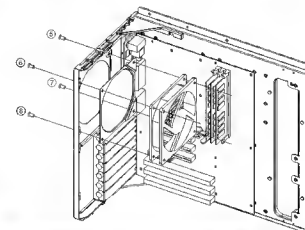
1. For front side 120 mm x 120 mm fan installation on 3 for 4 HDD Module, please remove first. (Please refer to the module handbook for 3 for 4 HDD Module.)
2. As shown in the figure, line up the fan holes, then secure with plastic push pins. (Secure by pushing the pin in on one side. Release by pushing the pin out on the other side.)



Note:
80 mm x 80 mm fan may also be installed.

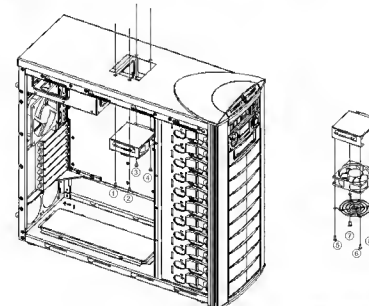
Back side 120 mm x 120 mm fan

As shown in the figure, remove screws 1 through 4.



Upper side 80 mm x 80 mm fan

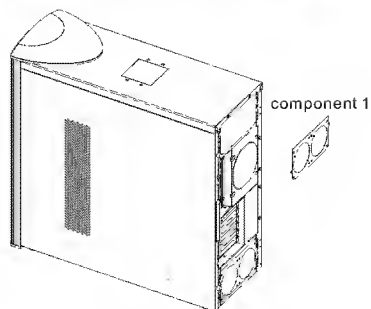
As shown in the figure, remove screws 1 through 4.



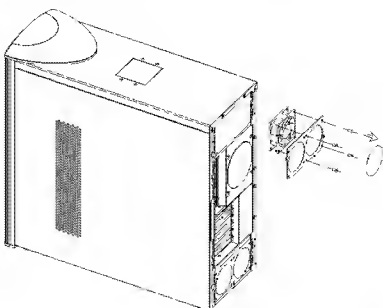
Install / Replace Cooling Fan

Back side 80 mm x 80 mm fan (Option)

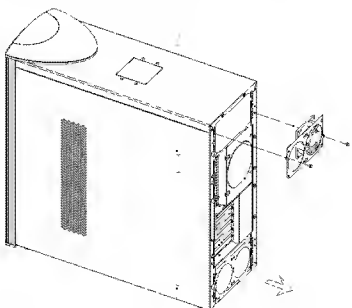
1. Remove component 1.



2. Remove the circular board piece, then secure the fan with the fan screws enclosed in the accessory pack.

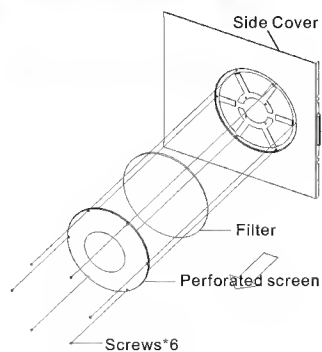


3. Use screws (#6-32) in the accessory pack to reinstall the guard piece.

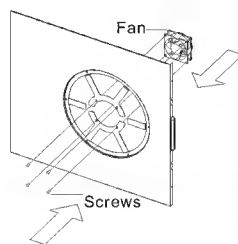


Side Cover Fan (Option)

1. Remove the screws.
2. Remove the perforated screen and filter.

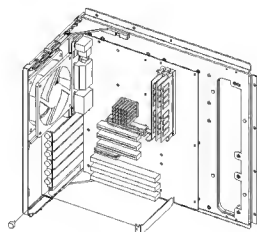


3. Secure the filter and perforated screen after placing the fan as shown in the picture.



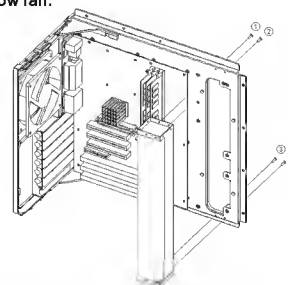
Cross Flow Fan (Option STF-B01-E1)

1. Remove one PCI slot bracket for installation.

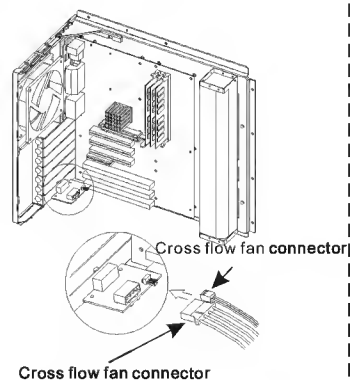


Install / Replace Cooling Fan

2. Position cross flow fan on the motherboard module.
3. Insert and tighten screws to secure the cross flow fan.



4. Install and secure the fan controller.
5. Install the fan's connector by connecting it to the fan controller.



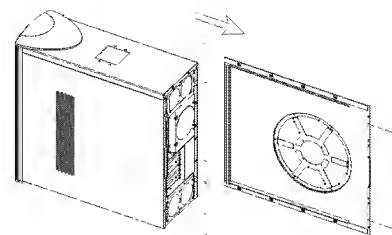
Install the power supply

2 power supplies can be installed at the same time for CM stacker, therefore 2 power supply slots are provided. To install only one power supply, select the installation slot as needed.

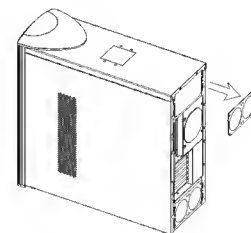


Install the Power Supply

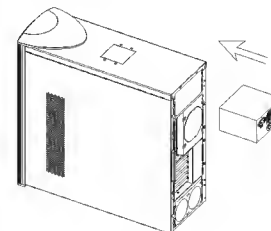
1. Remove side panel.



2. As shown in the figure.

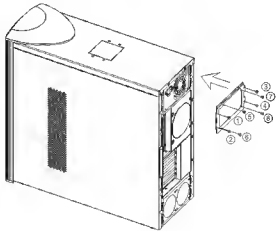


3. Place the power supply in position from the back.



Remove / Clean Filter

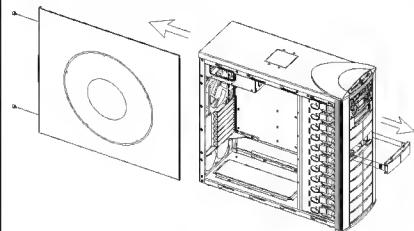
4. From the accessory pack get the power supply front board, then secure it on the chassis by inserting screws at positions 1, 2, 3, and 4 as shown in the figure.
5. Now insert and tighten screws at positions 5, 6, 7, and 8 to further secure the power supply.



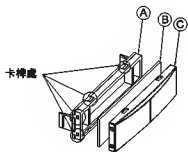
Remove Clean Filter

Front cover filter

1. Remove the side panel screw.
2. Push out the front cover to be replaced.



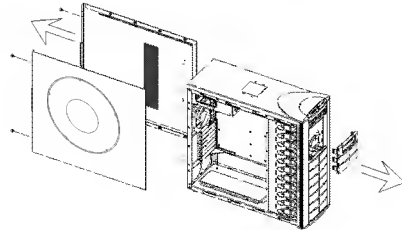
3. Loosen the locking mechanism at Component A; remove Component C.
4. Clean out Filter B and reinstall back in place.
5. Interlock Component C and Component A, and reinstall the chassis.



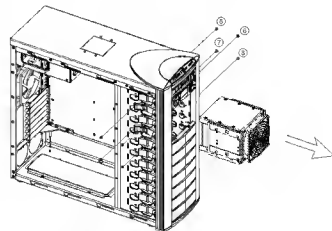
Install 3 for 4 HDD Module

Remove 3 for 4 HDD Module

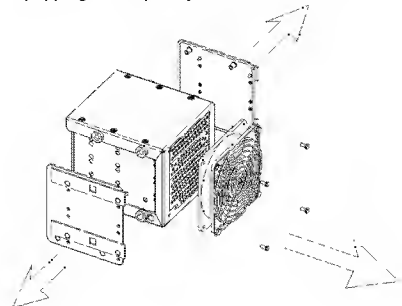
1. Remove side panel.
2. Push out the front covers.



3. As shown in the figure, loosen the screws 1 through 8. Pull the manual locking button backward (as shown in Figure A) to loosen the locking mechanism.
4. Remove 3 for 4 HDD Module from the front side.

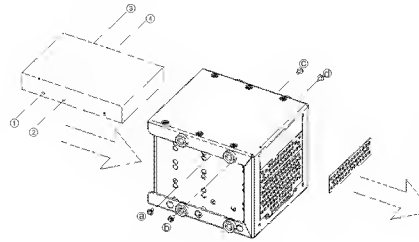


5. Remove the left and right side side-panels by popping them open by hand.

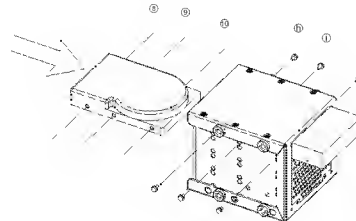


Install 3 for 4 HDD Module

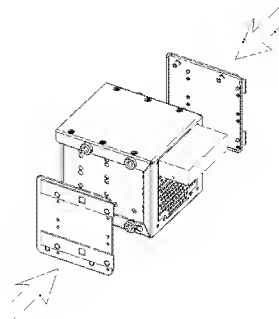
6. Install the floppy or hard disk device.
 - I. Install the floppy disk drive :
 - I. Remove the front side perforated guard panel (required only for first-time installation).
 - II. Install the floppy disk drive in the direction shown in the figure.
 - III. Line up the screw holes and secure with screws on both sides.



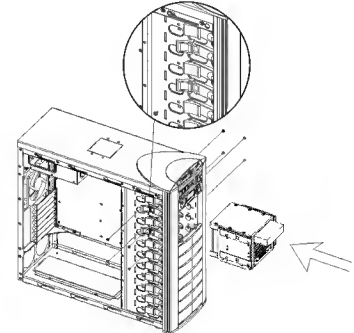
- b. Install hard disk device :
 - I. Install the hard disk drive in place in the direction shown in the figure.
 - II. Line up the screw holes and secure with screws on both sides.



7. Reinstall the right and left side panels.



8. Bend the manual locking button toward the front, and install 3 for 4 HDD Module until a clicking sound is heard to indicate that the devices are locked into place.
9. Insert and tighten screws (for holes already lined up in place). This will reinforce the structural integrity.



I/O function panel installation guide

Please refer to the illustration on the section of USB,1394,Audio connector from motherboard user's manual , and please select the motherboard which use the same USB,1394,Audio standard as below . Otherwise , it will cause damage for user's device.

*The following illustration is a connection diagram for the Front Pane I/O cable.

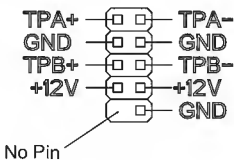
**Doing so will damage the device. NEVER connect a 1394 cable to the USB connector.

*** NEVER connect a USB cable to the 1394 connector. Doing so will damage the device.

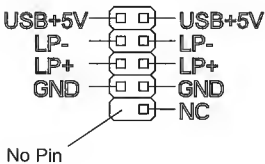
**** On some motherboards the connectors for 1394, USB and audio are not the same as the below drawing. Please check with your motherboard manual before install.

Mother Board

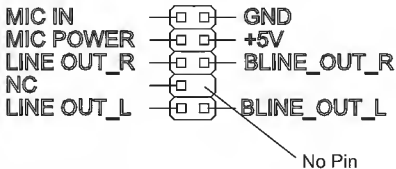
Front panel IEEE 1394 connector



Front panel USB connector

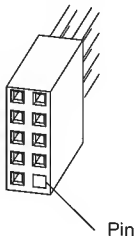


Front panel audio connector

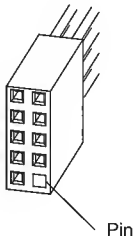


Cable

IEEE 1394 Connector(Blue)



USB Connector(BLACK)



Front panel audio connector (BLACK)

